

Listing of Claims

Claims 1-35 cancelled

36. (Previously submitted) A medicament containing a carrier-drug conjugate and, optionally, a pharmaceutically compatible excipient, characterized in that

- (i) the carrier is native or recombinant albumin;
- (ii) the drug is a pharmaceutically and/or diagnostically active substance;
- (iii) the drug is bound to cysteine-34 of albumin over a spacer molecule and a thiol binding group;
- (iv) at least one of the spacer molecule, a linkage between spacer molecule and drug moiety and a linkage between spacer molecule and thiol binding group is cleavable hydrolytically and/or pH-dependently and/or enzymatically; and
- (v) at least 0.7 mol of said drug is bound to cysteine-34 per mol of albumin.

37 (Currently Amended) A medicament according to claim 35 36 wherein at least one of said spacer molecule and said linkage contains a peptide bond.

38. (Withdrawn) A medicament according to claim 36 which is cleavable by a protease.

39. (Currently Amended) A medicament according et to claim 35 36 wherein at least one of said space molecule and said linkage is hydrolysable in an acidic medium.

40. (Currently Amended) A medicament according to claim 35 36 wherein said pharmaceutical is selected from the group consisting of cytostatics, cytokines, immunosuppressants, antirheumatics, anti-inflammatories, antibiotics, analgesics, virostatics and antifungals.

41. (Currently Amended). A medicament according to claim 39 40 wherein the cytostatic pharmaceutically active substance is selected from the group consisting of anthracyclines, N-nitrosoureas, alkylating agents, purine or pyrimidiine antagonists, folic acid antagonists, taxanes, camptothecins, podophyllotoxin derivatives, *Vinca* alkaloids, calicheamicins, maytansinoids and *cis*-configured platinum (II) complexes.

42. (Withdrawn) A medicament according to claim 35 wherein the diagnostically active substance contains at least one substance selected from the group consisting of radionuclides, one or a plurality of ligands containing radionuclides, positron emitters, NMR contrast media, and fluorescing compound (s) and contrast media functional in the near IR region.

43. (Currently Amended) A medicament according to claim 35 36 in which the thiol binding group contains a maleimide group, a haloacetamide group, a haloacetate group, a pyridylidithio group, a vinylcarbonyl group, an aziridine group, a disulfide group or an acetylene group, which groups may be substituted or unsubstituted.

44. (Currently Amended) A medicament according to claim 35 36 wherein said spacer molecule is selected from the group consisting of substituted or unsubstituted branched-chain or straight-chain aliphatic alkyl groups having 1 to 12 carbon atoms, substituted or unsubstituted aryl groups and aliphatic carbon rings having 3 to 12 carbon atoms.

45. (Currently Amended) A method for the preparation of carrier-drug conjugate contained in the medicament according to claim 35 36 comprising:

- (i) treating a carrier with a reducing agent so that at least 0.7 mol of cysteine SH groups is present in the carrier per mol of reducible cysteine groups; and
- (ii) coupling a drug to said cysteine SH groups in said carrier via the thiol-binding group.

46. (Currently Amended) A method according to claim 44 45 wherein said reducing agent is selected from a group consisting of dithiothreitol, dithioerythritol or mercaptoethanol.

47. (Currently Amended) A method according to claim 44 45 wherein said conjugate prepared exhibits a purity greater than 95%.

48. (Currently Amended) A medicament according to claim 35 36 for the treatment of cancer, autoimmune disorders, acute or chronically inflammatory diseases and diseases that are caused by infectious agents, selected from the group consisting of viruses and microorganisms, in mammals in need thereof.

49. (Currently Amended) A diagnostic kit comprising a medicament according to
claim 35 36.

50. (Currently Amended) A diagnostic kit according to claim 48 49 for the
detection of diseases selected from the group consisting of cancer, autoimmune
disorders, acute or chronically inflammatory diseases, and diseases that are
caused by infectious agents selected from the group consisting of viruses and
microorganisms.